JANUARY 17, 2017 Io-B from RADIO ALACHUA

From my log:

January 18, 2017

Io-B:1023- 1143UT The storm covered 29 to 15 MHz with a great deal of spitting Jup. RCP dominated as expected.

1023-1035UT Nice RCP S-Bursts scattered from 15 to 26 MHz.

1024:29UT Strong emission on RJ at 20.182 MHz from S-Bursts that barely show up at all on RSS. Peaks about 800kK.

1046-1100UT RCP S-Bursts scattered from 17 to 28 MHz.

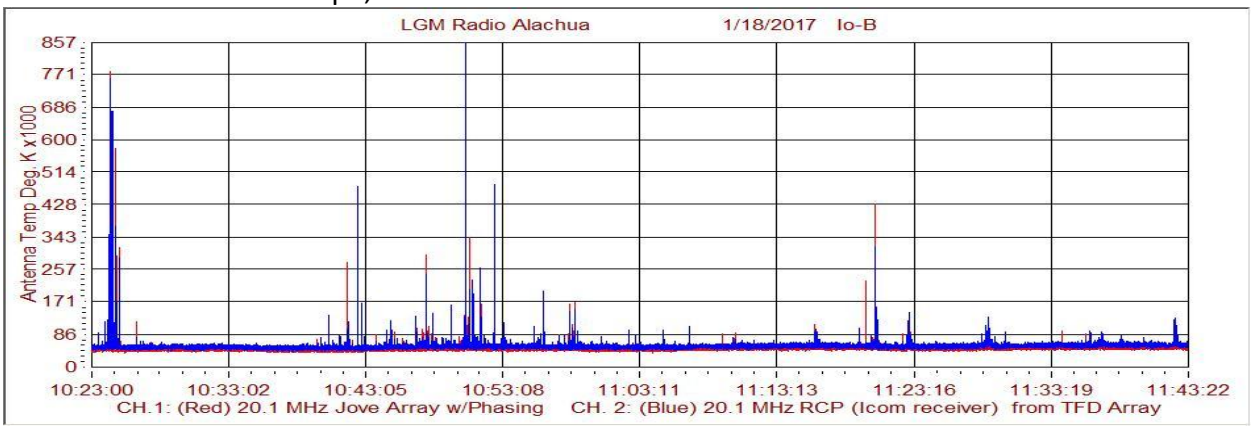
1050UT Strong RCP S-Bursts on RJ peaks about 1.3 MK. RSS detectable.

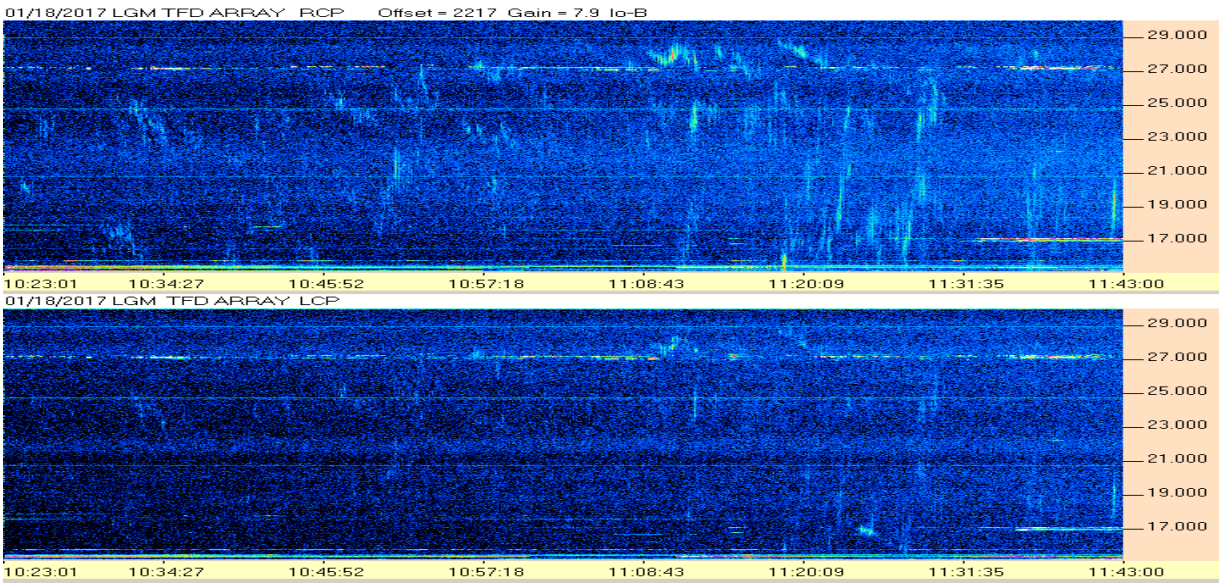
1108-1120UT RCP Narrow-Band S-Burst train about 29 MHz wandering up and down.

1120-1130UT . Lots of positive drifts from15 to 26 MHz. Seem to be L-Bursts mixed with S-Bursts.

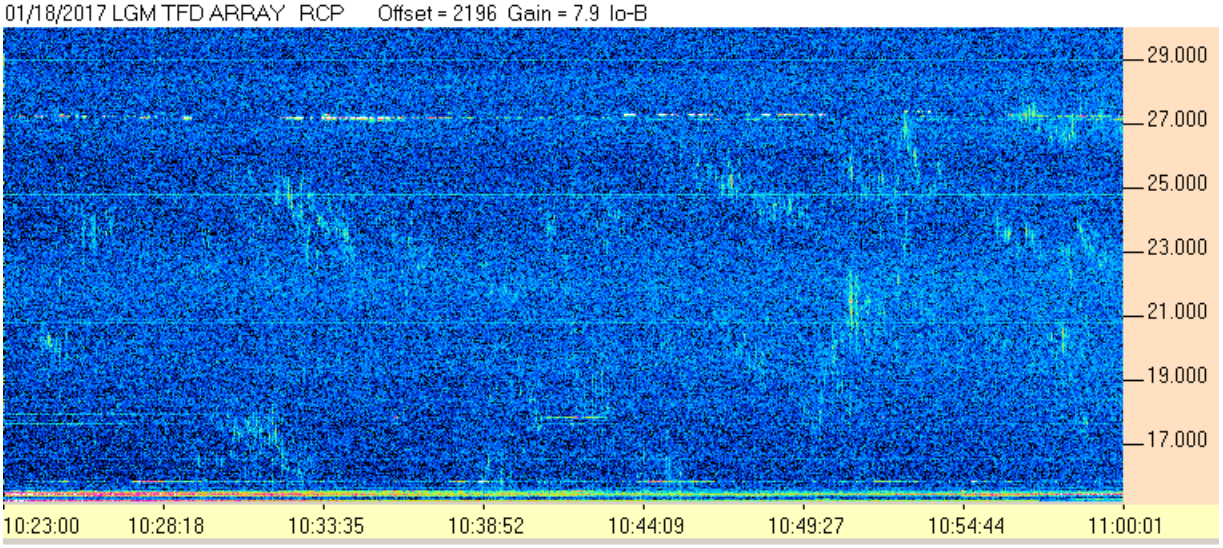
1123-1125UT Interesting to note a LCP narrow-band, negative slope emission around 17 MHz maybe a separate source. Io-D anyone?

1142-1143UT Positive slope, both RCP and LCP L-burst from 18 to 21 MHz.

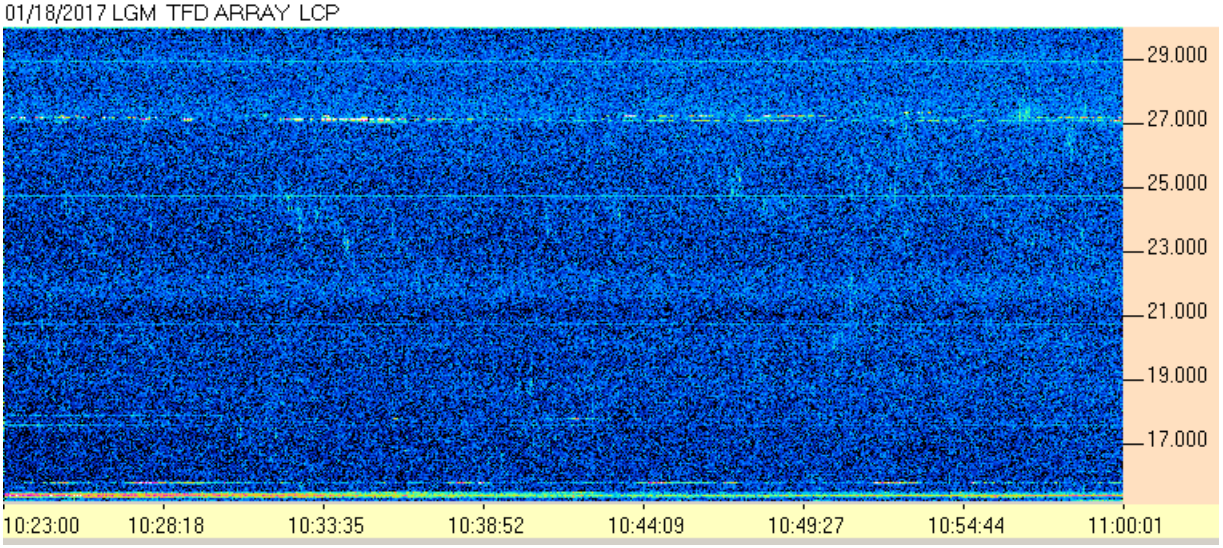




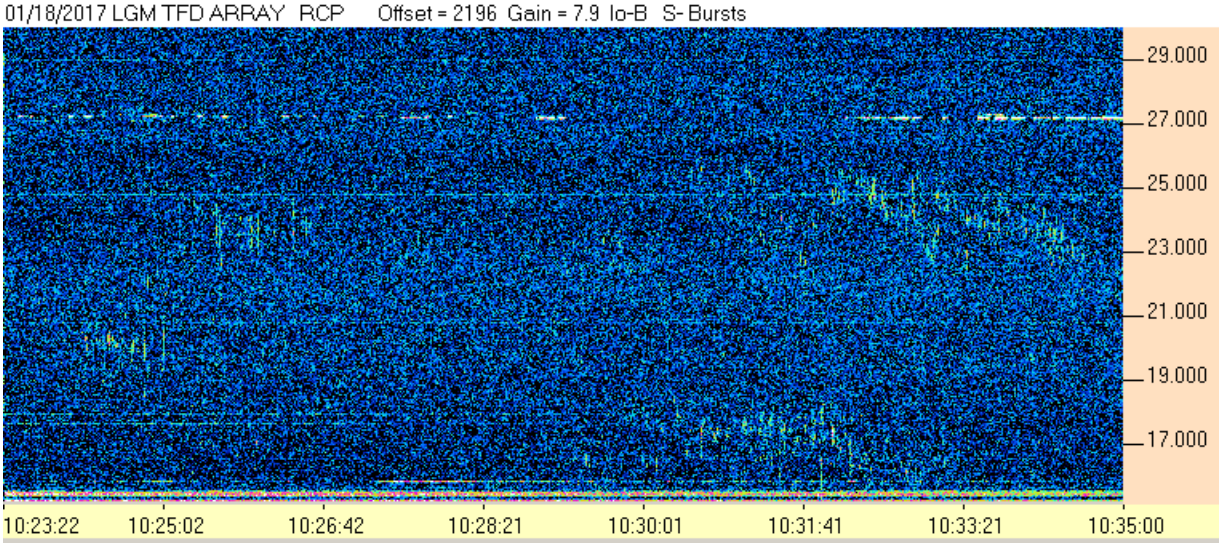
01/18/2017 LGM TFD ARRAY RCP Offset = 2196 Gain = 7.9 Io-B

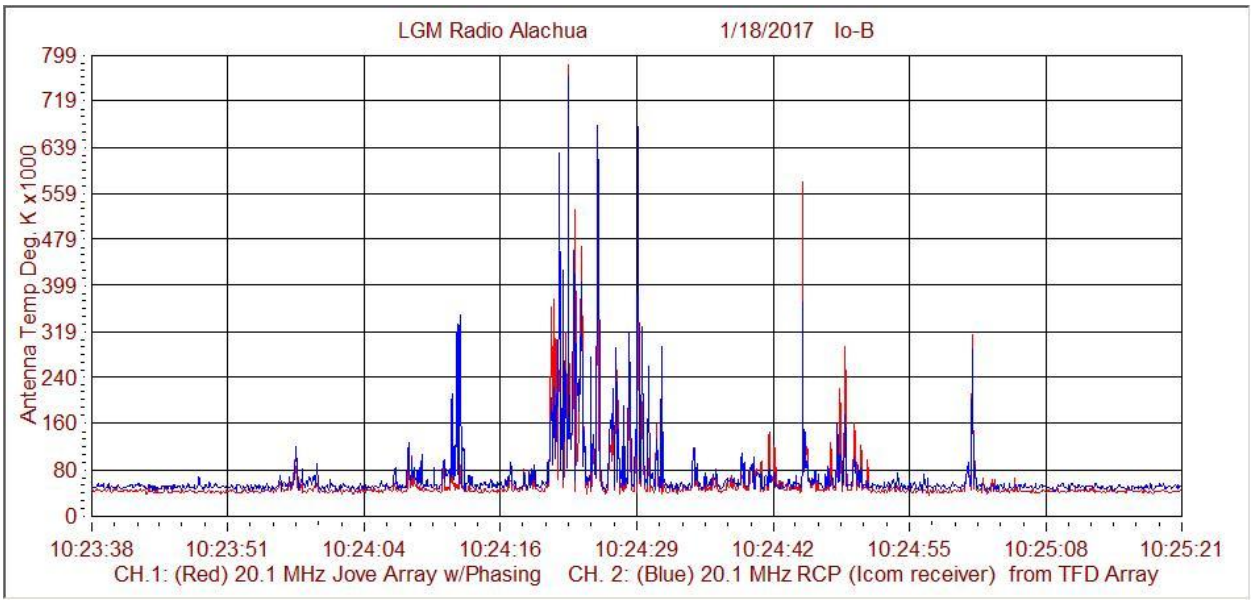


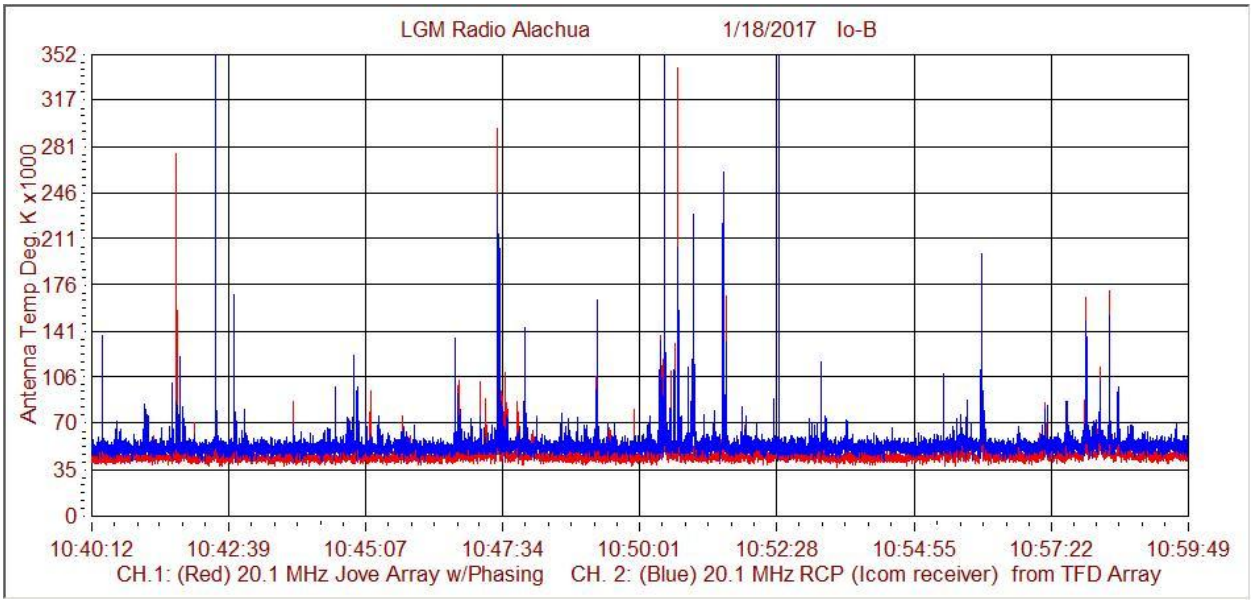
01/18/2017 LGM TFD ARRAY LCP

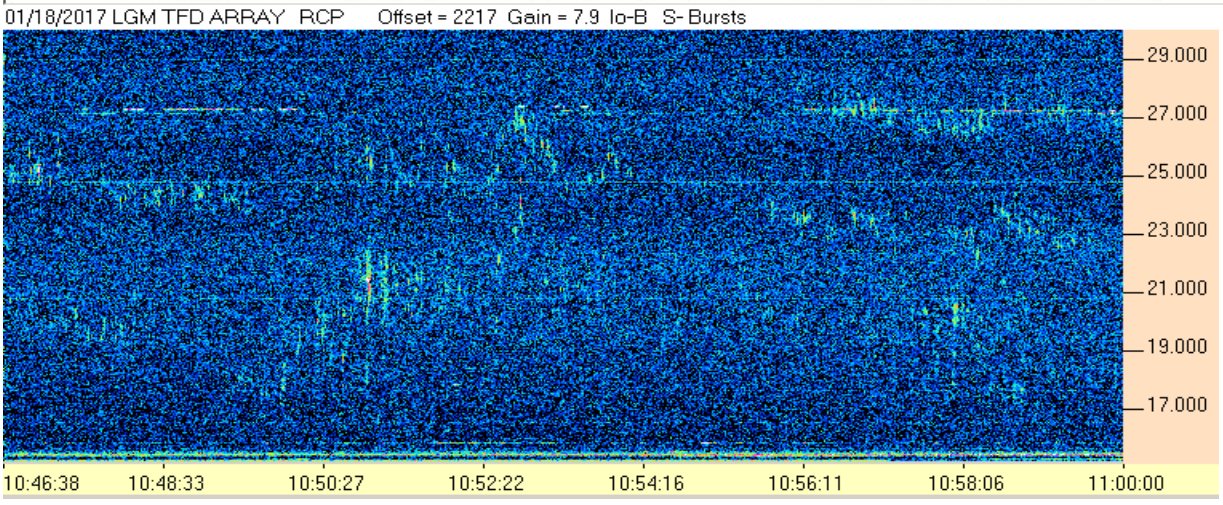


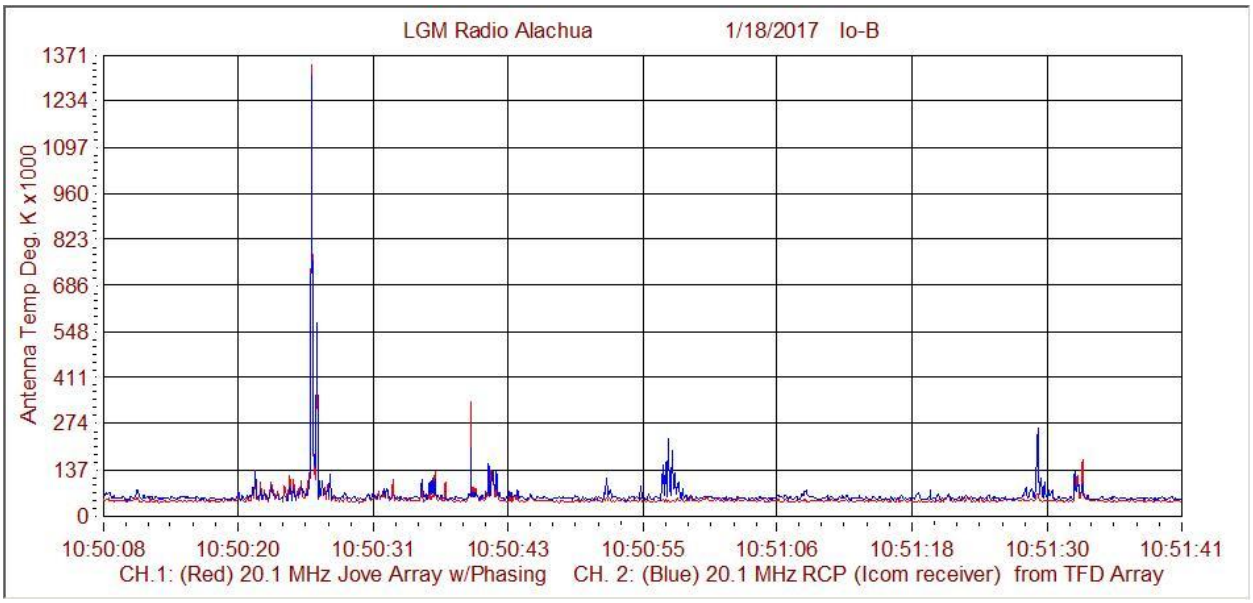
01/18/2017 LGM TFD ARRAY RCP Offset = 2196 Gain = 7.9 Io-B S- Bursts

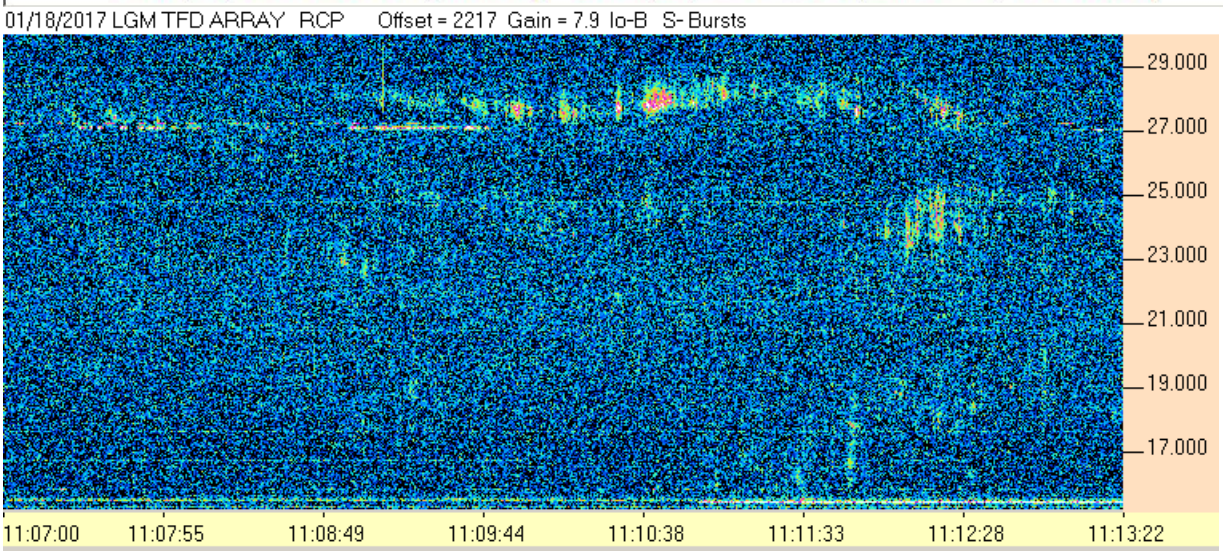



LGM Radio Alachua 1/18/2017 Io-B
Antenna Temp Deg. K x1000
799
719
639
559
479
399
319
240
160
80
0
10:23:38
10:23:51
10:24:04
10:24:16
10:24:29
10:24:42
10:24:55
10:25:08
10:25:21
CH.1: (Red) 20.1 MHz Jove Array w/Phasing
CH. 2: (Blue) 20.1 MHz RCP (Icom receiver) from TFD Array

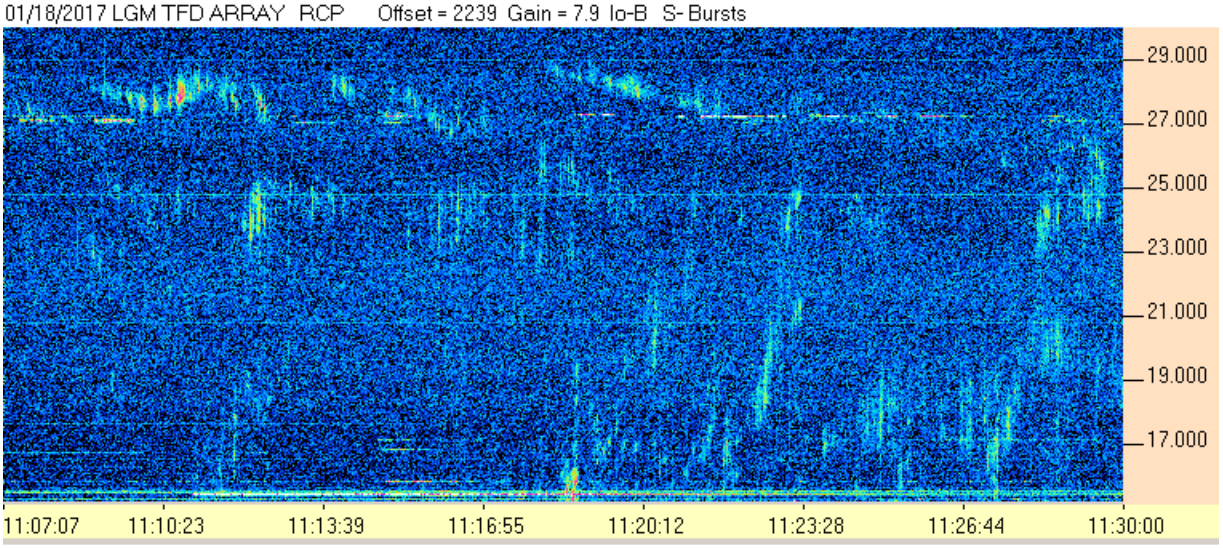

LGM Radio Alachua 1/18/2017 Io-B
Antenna Temp Deg. K x1000
352
317
281
246
211
176
141
106
70
35
0
10:40:12
10:42:39
10:45:07
10:47:34
10:50:01
10:52:28
10:54:55
10:57:22
10:59:49
CH.1: (Red) 20.1 MHz Jove Array w/Phasing
CH. 2: (Blue) 20.1 MHz RCP (Icom receiver) from TFD Array


01/18/2017 LGM TFD ARRAY RCP Offset = 2217 Gain = 7.9 Io-B S- Bursts
29.000
27.000
25.000
23.000
21.000
19.000
17.000
10:46:38
10:48:33
10:50:27
10:52:22
10:54:16
10:56:11
10:58:06
11:00:00

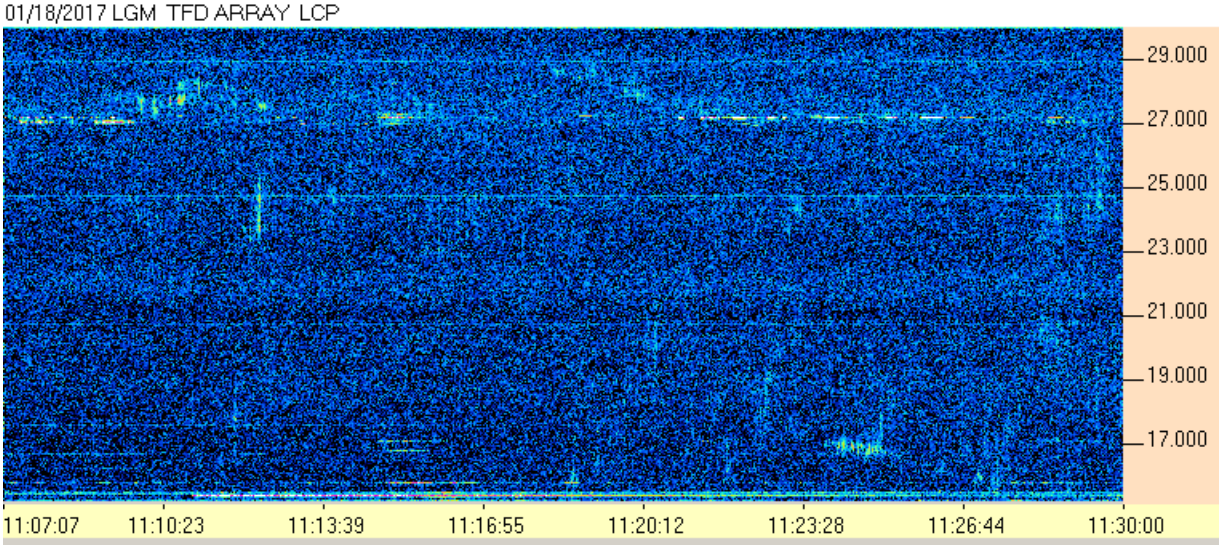

LGM Radio Alachua
1/18/2017 Io-B
Antenna Temp Deg. K x1000
1371
1234
1097
960
823
686
548
411
274
137
0
10:50:08
10:50:20
10:50:31
10:50:43
10:50:55
10:51:06
10:51:18
10:51:30
10:51:41
CH.1: (Red) 20.1 MHz Jove Array w/Phasing
CH. 2: (Blue) 20.1 MHz RCP (Icom receiver) from TFD Array


01/18/2017 LGM TFD ARRAY RCP Offset = 2217 Gain = 7.9 Io-B S- Bursts
29.000
27.000
25.000
23.000
21.000
19.000
17.000
11:07:00
11:07:55
11:08:49
11:09:44
11:10:38
11:11:33
11:12:28
11:13:22

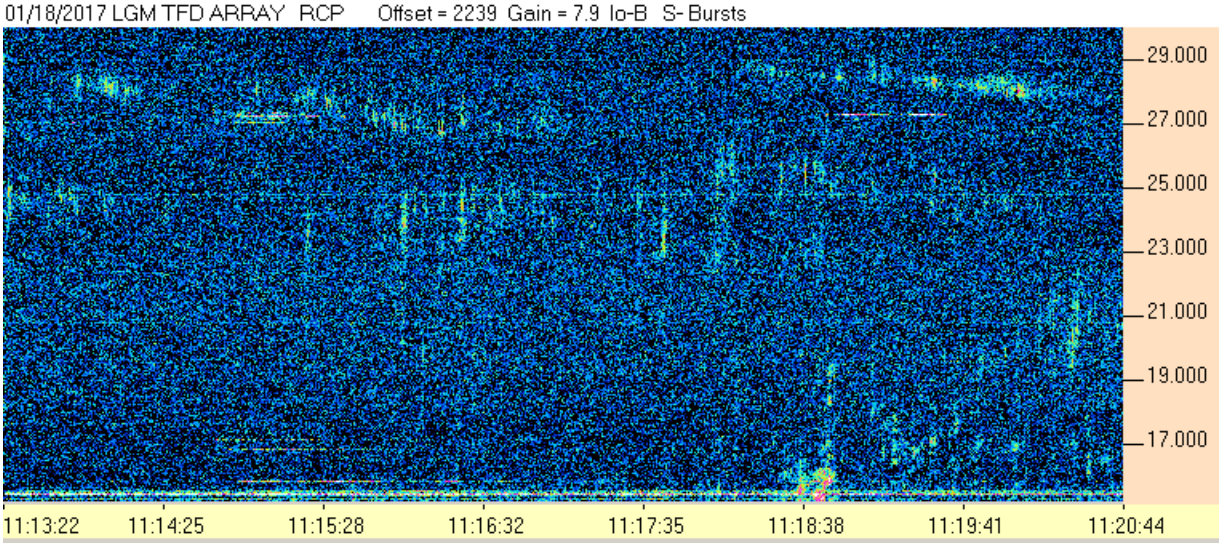
01/18/2017 LGM TFD ARRAY RCP Offset = 2239 Gain = 7.9 Io-B S- Bursts

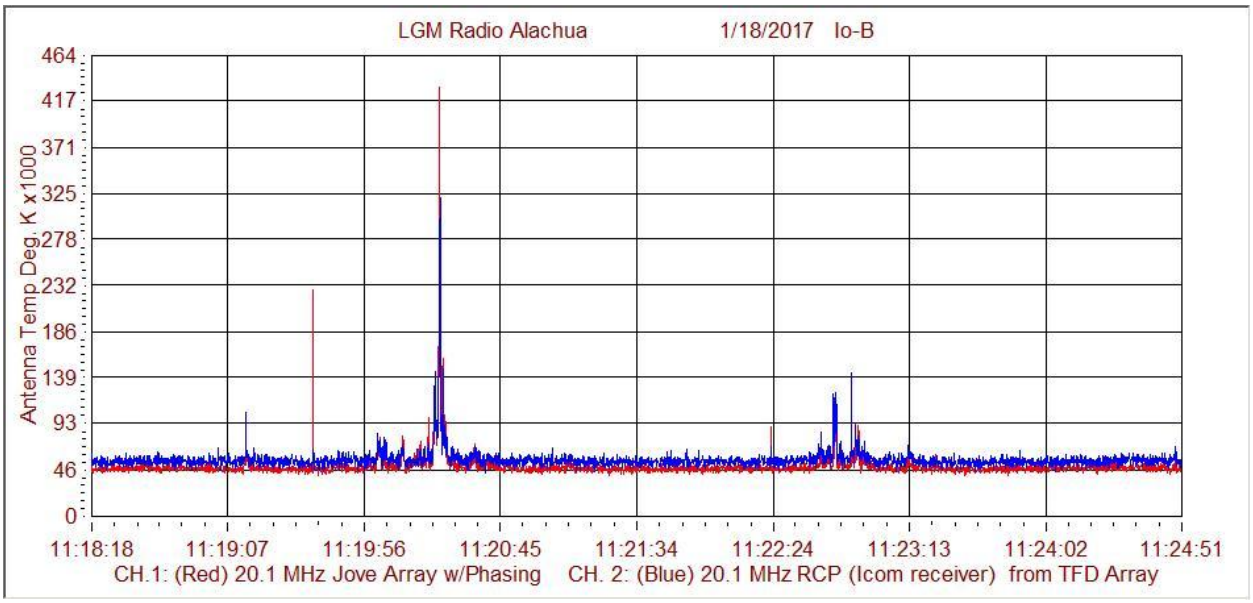


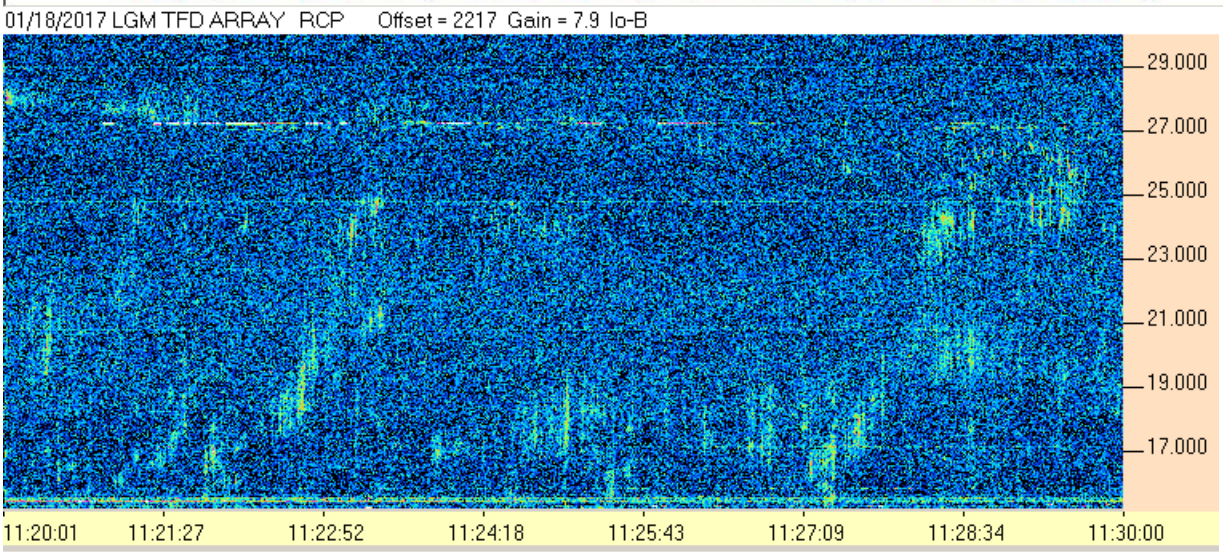
01/18/2017 LGM TFD ARRAY LCP

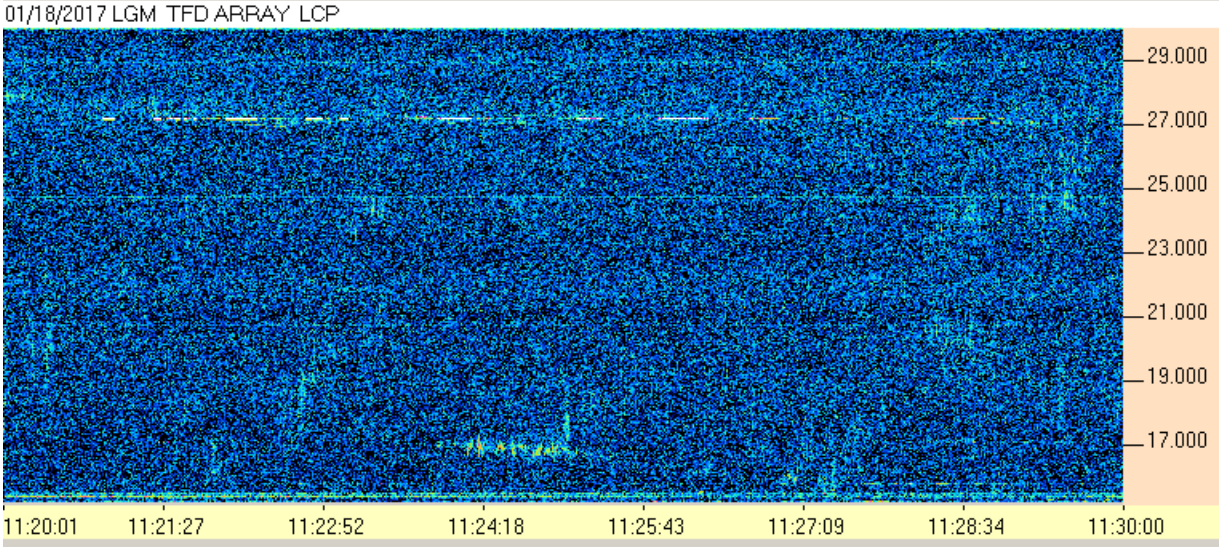


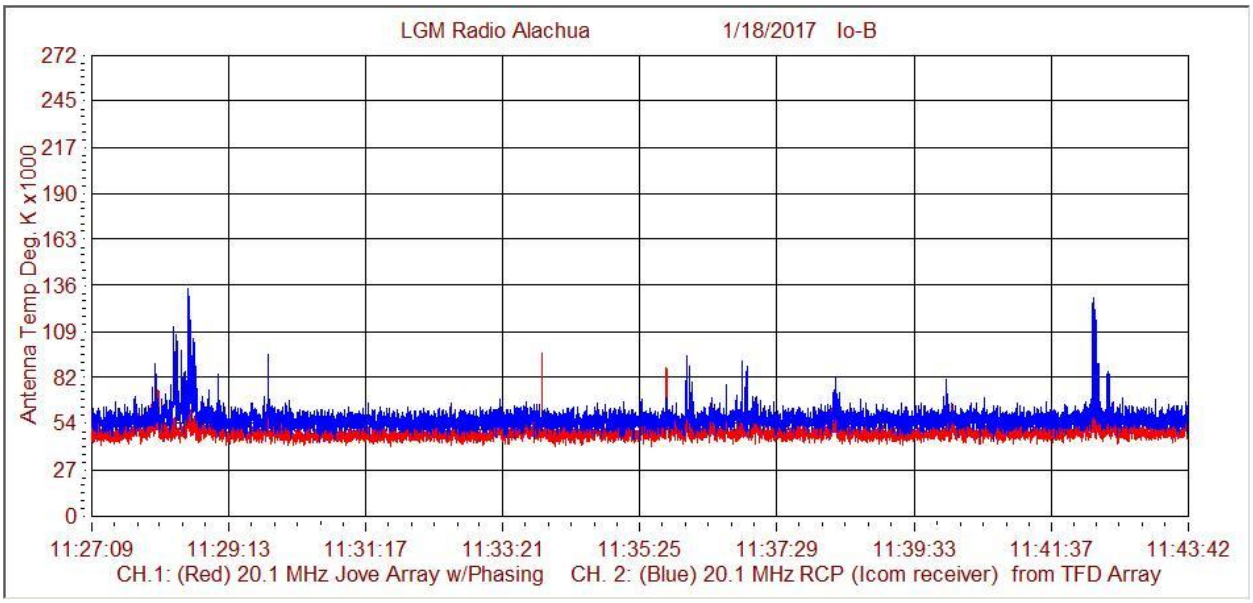
01/18/2017 LGM TFD ARRAY RCP Offset = 2239 Gain = 7.9 Io-B S- Bursts




LGM Radio Alachua
1/18/2017 Io-B
Antenna Temp Deg. K x1000
464
417
371
325
278
232
186
139
93
46
0
11:18:18
11:19:07
11:19:56
11:20:45
11:21:34
11:22:24
11:23:13
11:24:02
11:24:51
CH.1: (Red) 20.1 MHz Jove Array w/Phasing
CH. 2: (Blue) 20.1 MHz RCP (Icom receiver) from TFD Array


01/18/2017 LGM TFD ARRAY RCP Offset = 2217 Gain = 7.9 Io-B
29.000
27.000
25.000
23.000
21.000
19.000
17.000
11:20:01
11:21:27
11:22:52
11:24:18
11:25:43
11:27:09
11:28:34
11:30:00


01/18/2017 LGM TFD ARRAY LCP
29.000
27.000
25.000
23.000
21.000
19.000
17.000
11:20:01
11:21:27
11:22:52
11:24:18
11:25:43
11:27:09
11:28:34
11:30:00


LGM Radio Alachua
1/18/2017 Io-B
Antenna Temp Deg. K x1000
272
245
217
190
163
136
109
82
54
27
0
11:27:09
11:29:13
11:31:17
11:33:21
11:35:25
11:37:29
11:39:33
11:41:37
11:43:42
CH.1: (Red) 20.1 MHz Jove Array w/Phasing
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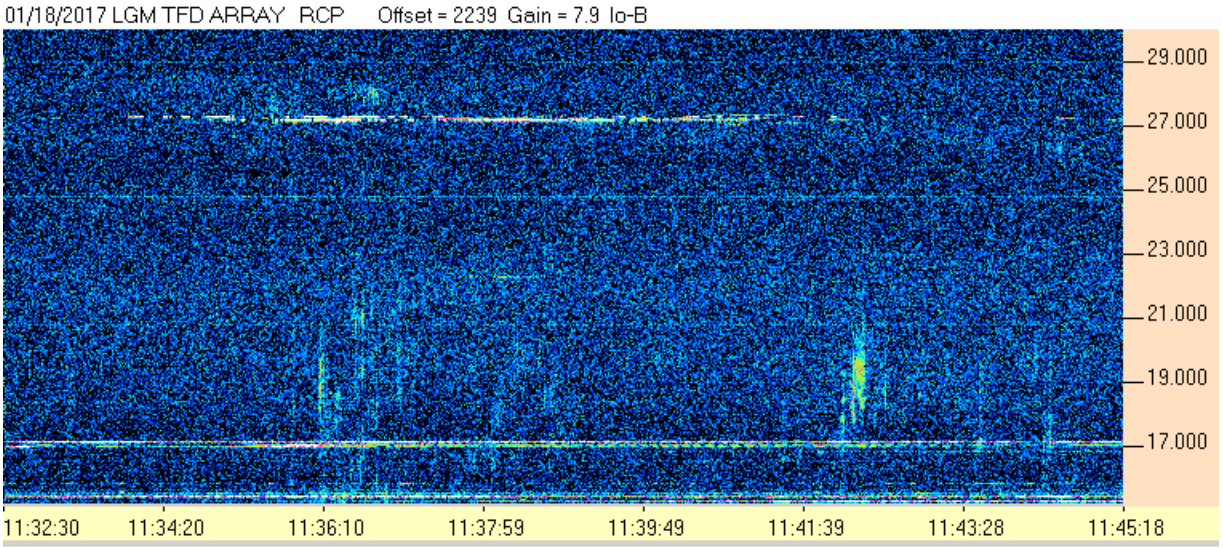
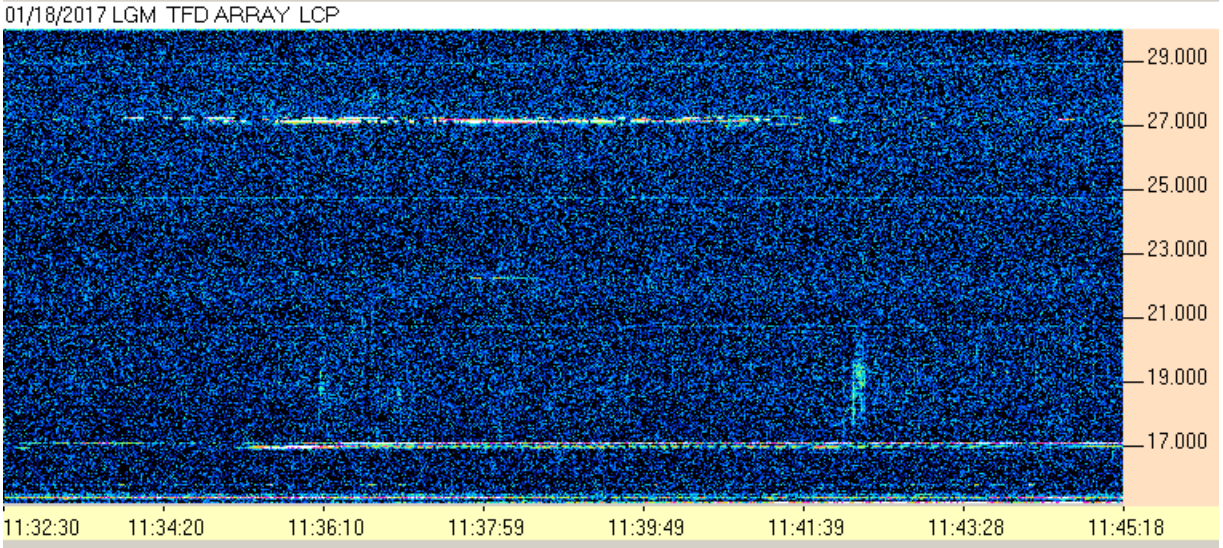
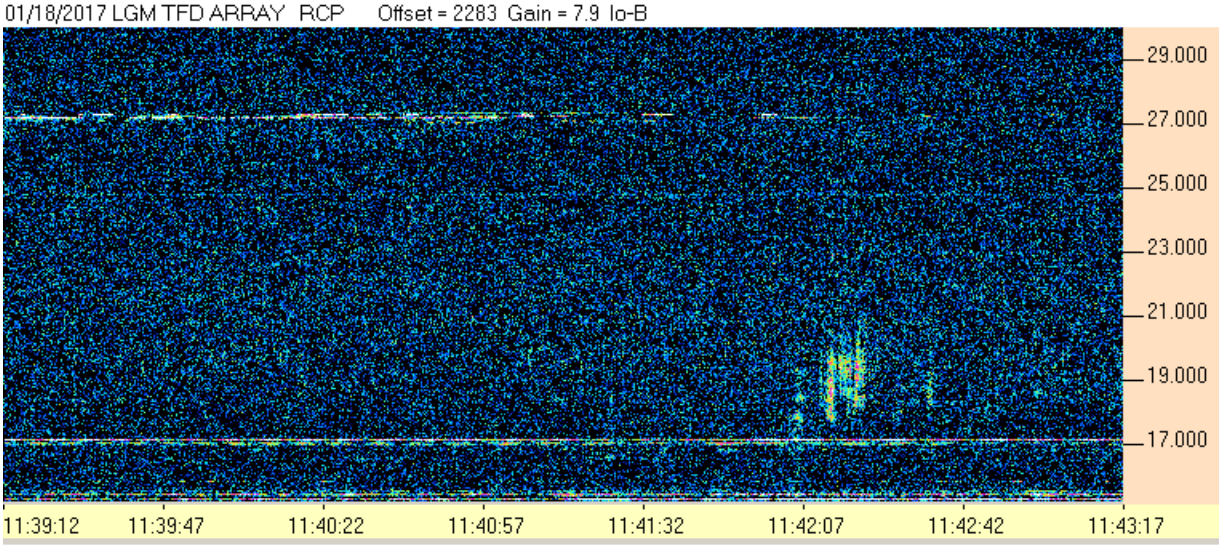

01/18/2017 LGM TFD ARRAY RCP Offset = 2239 Gain = 7.9 Io-B
29.000
27.000
25.000
23.000
21.000
19.000
17.000
11:32:30
11:34:20
11:36:10
11:37:59
11:39:49
11:41:39
11:43:28
11:45:18


01/18/2017 LGM TFD ARRAY LCP
29.000
27.000
25.000
23.000
21.000
19.000
17.000
11:32:30
11:34:20
11:36:10
11:37:59
11:39:49
11:41:39
11:43:28
11:45:18

01/18/2017 LGM TFD ARRAY RCP Offset = 2283 Gain = 7.9 Io-B



01/18/2017 LGM TFD ARRAY LCP